

丁巳

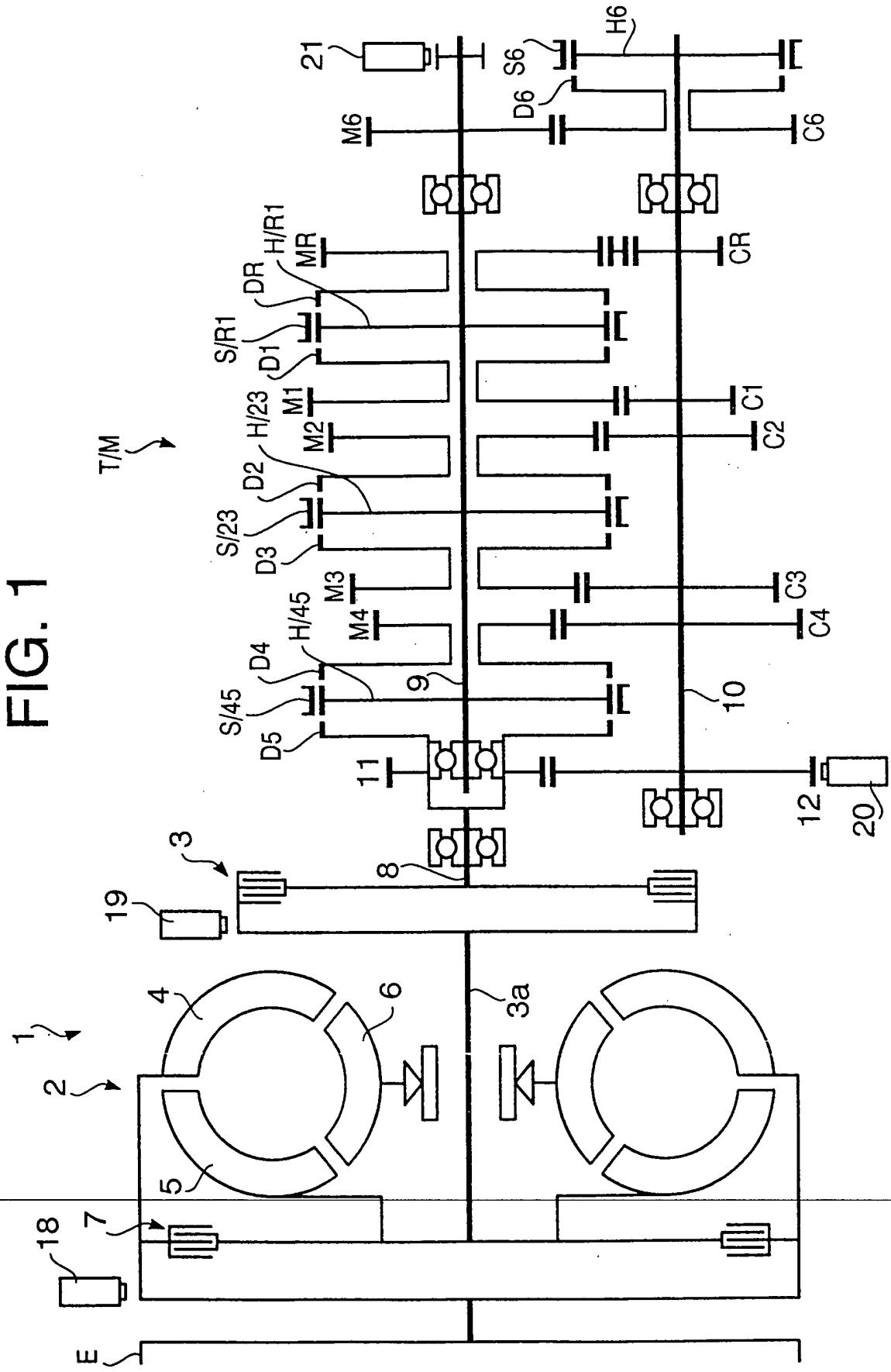


FIG. 2

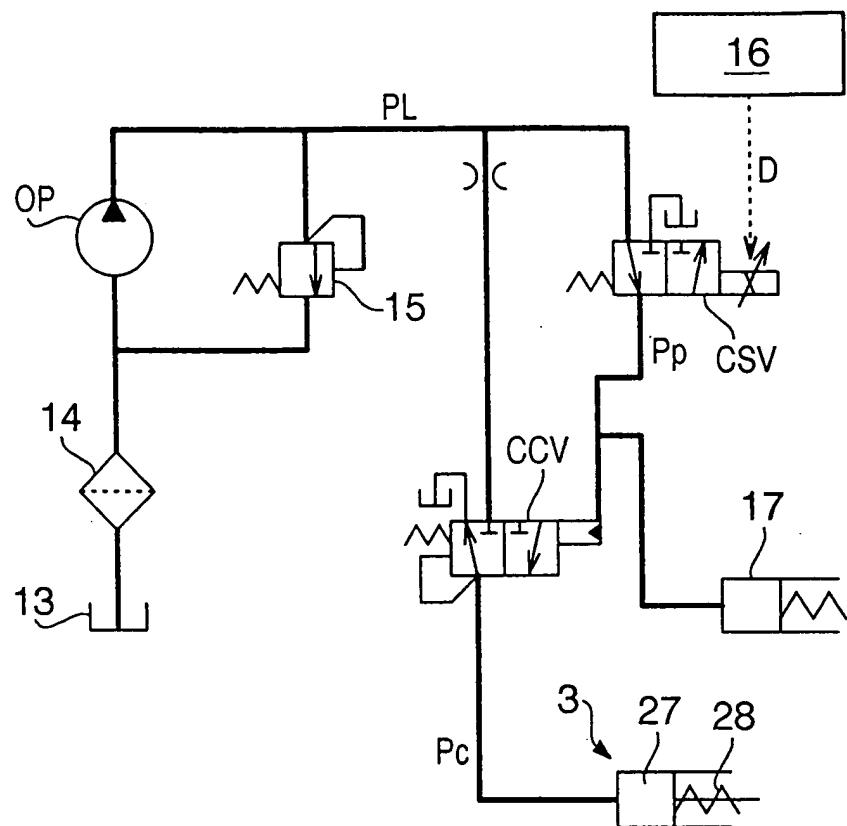


FIG. 3

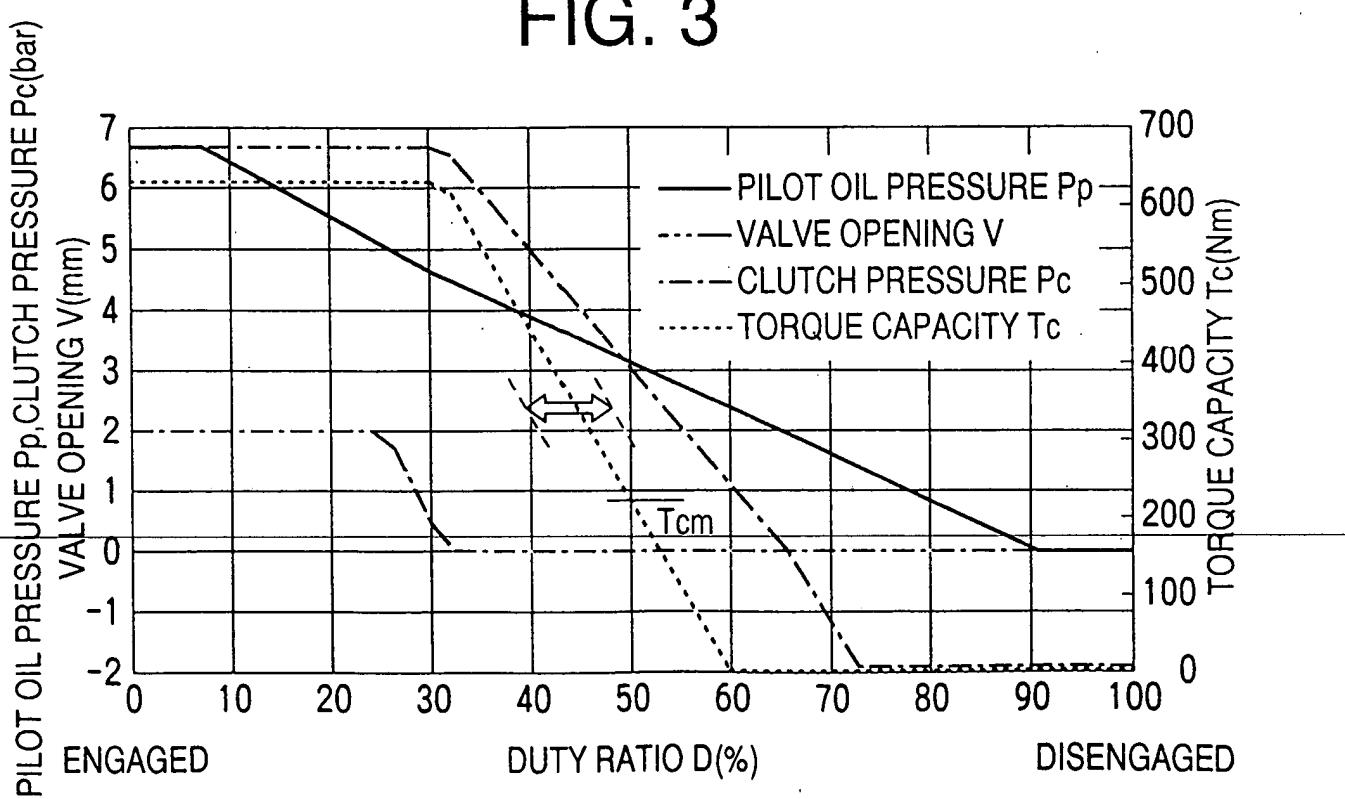
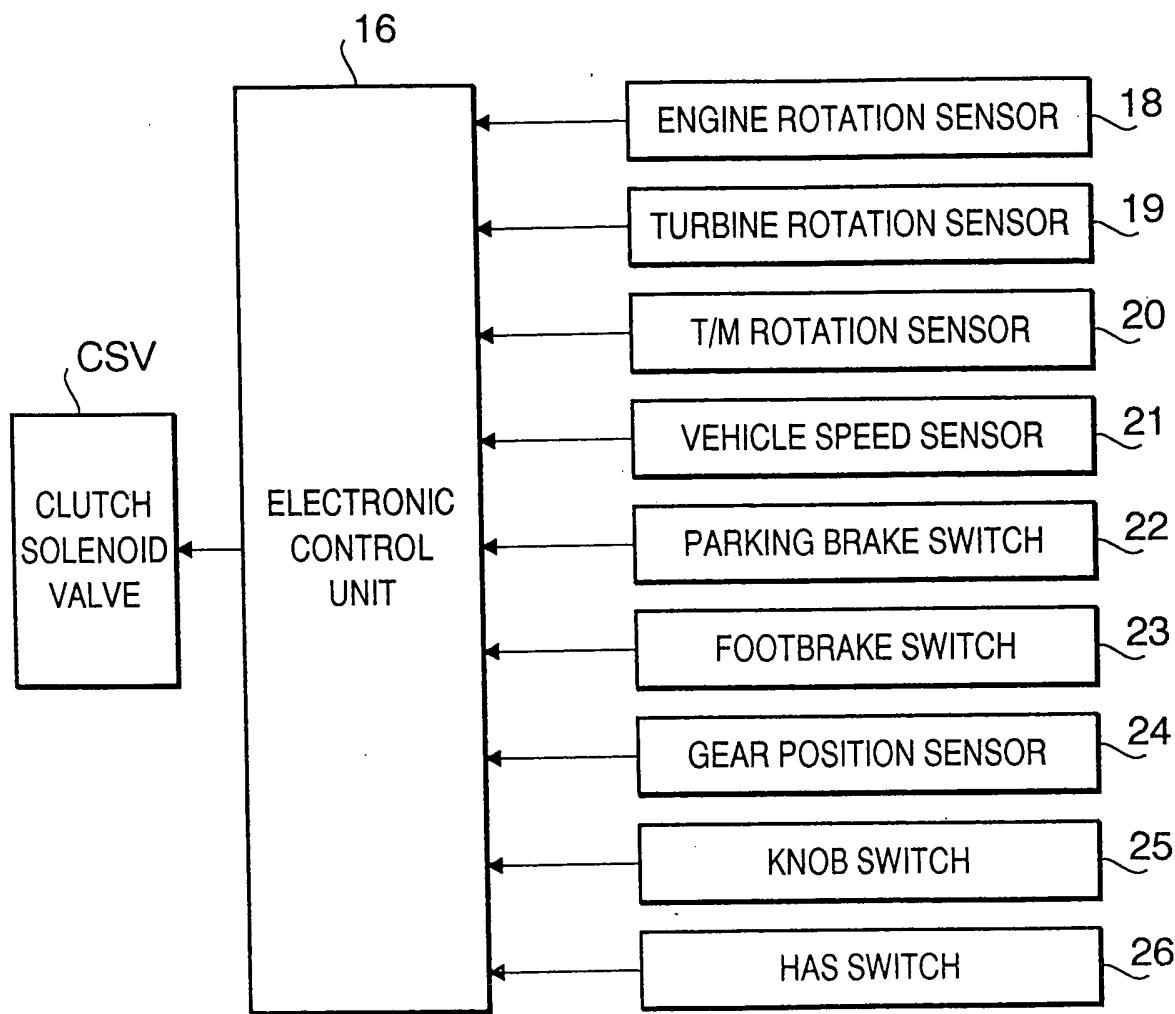


FIG.4



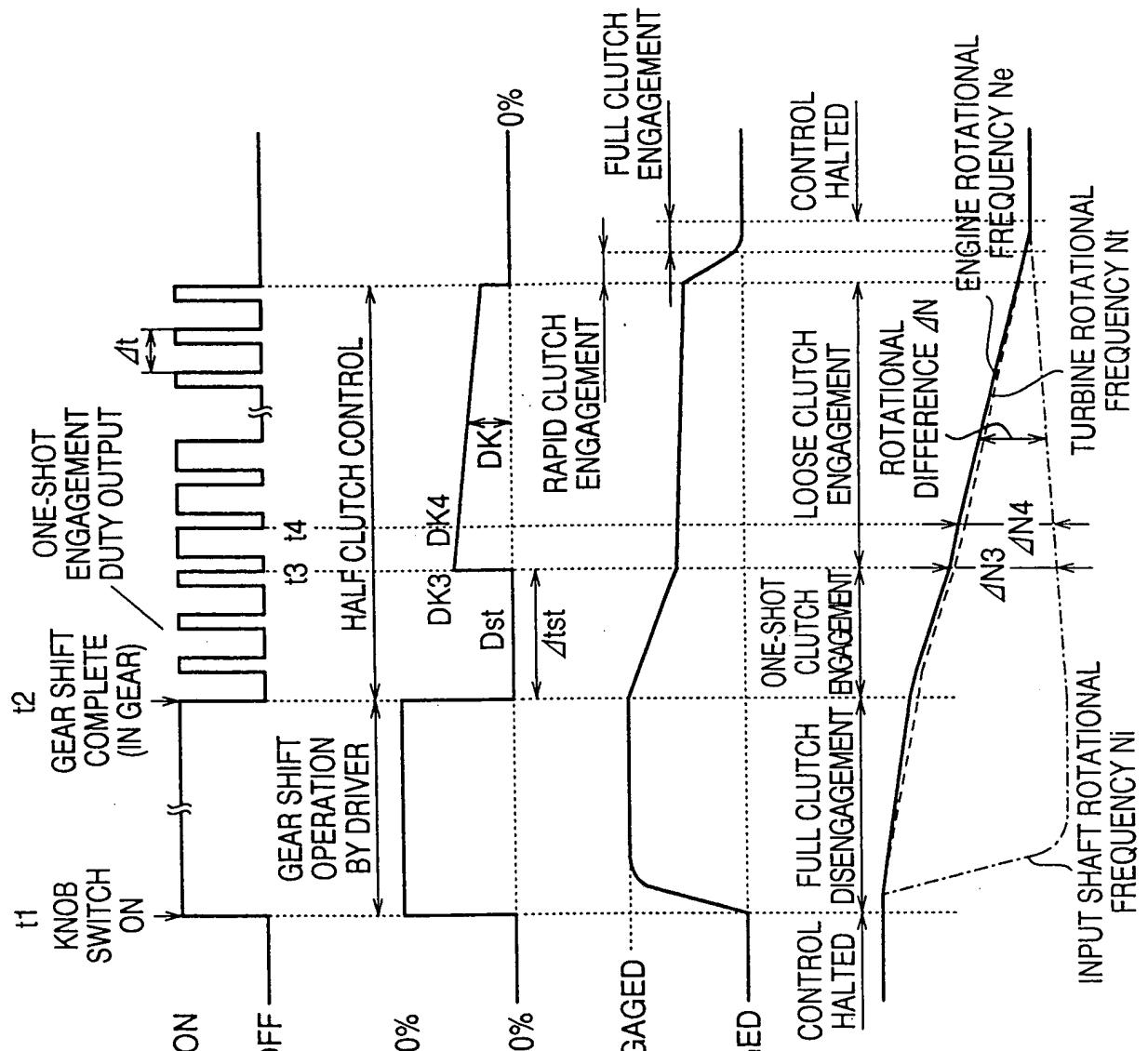


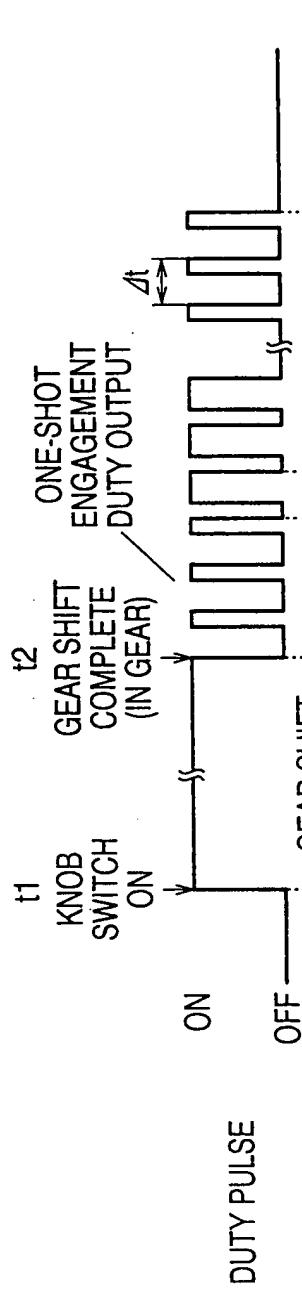
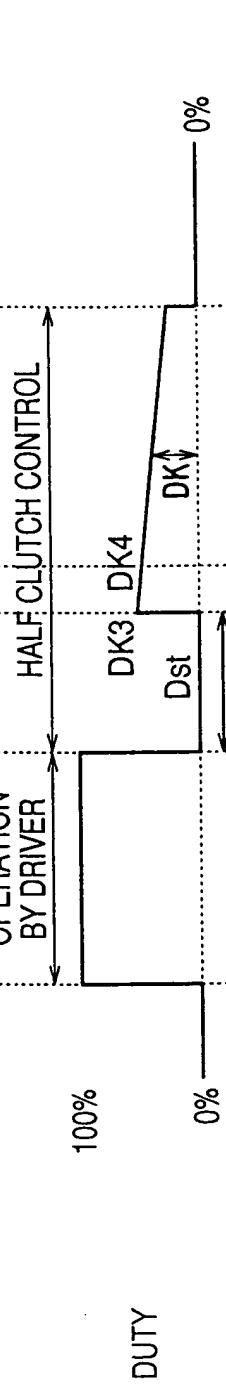
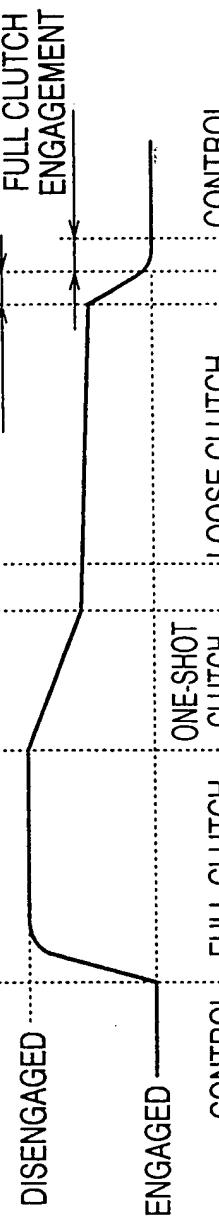
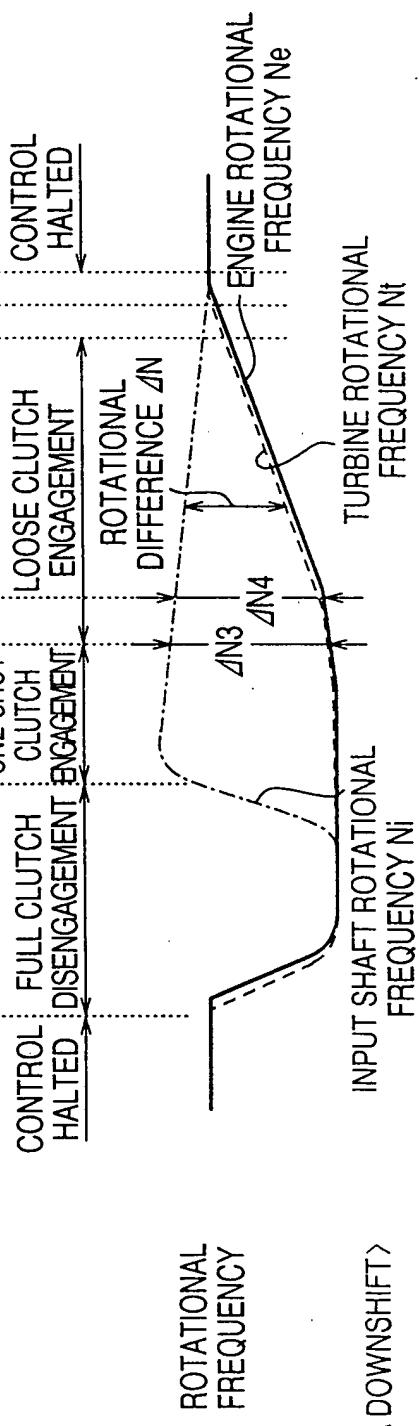
FIG. 5a

FIG. 5b

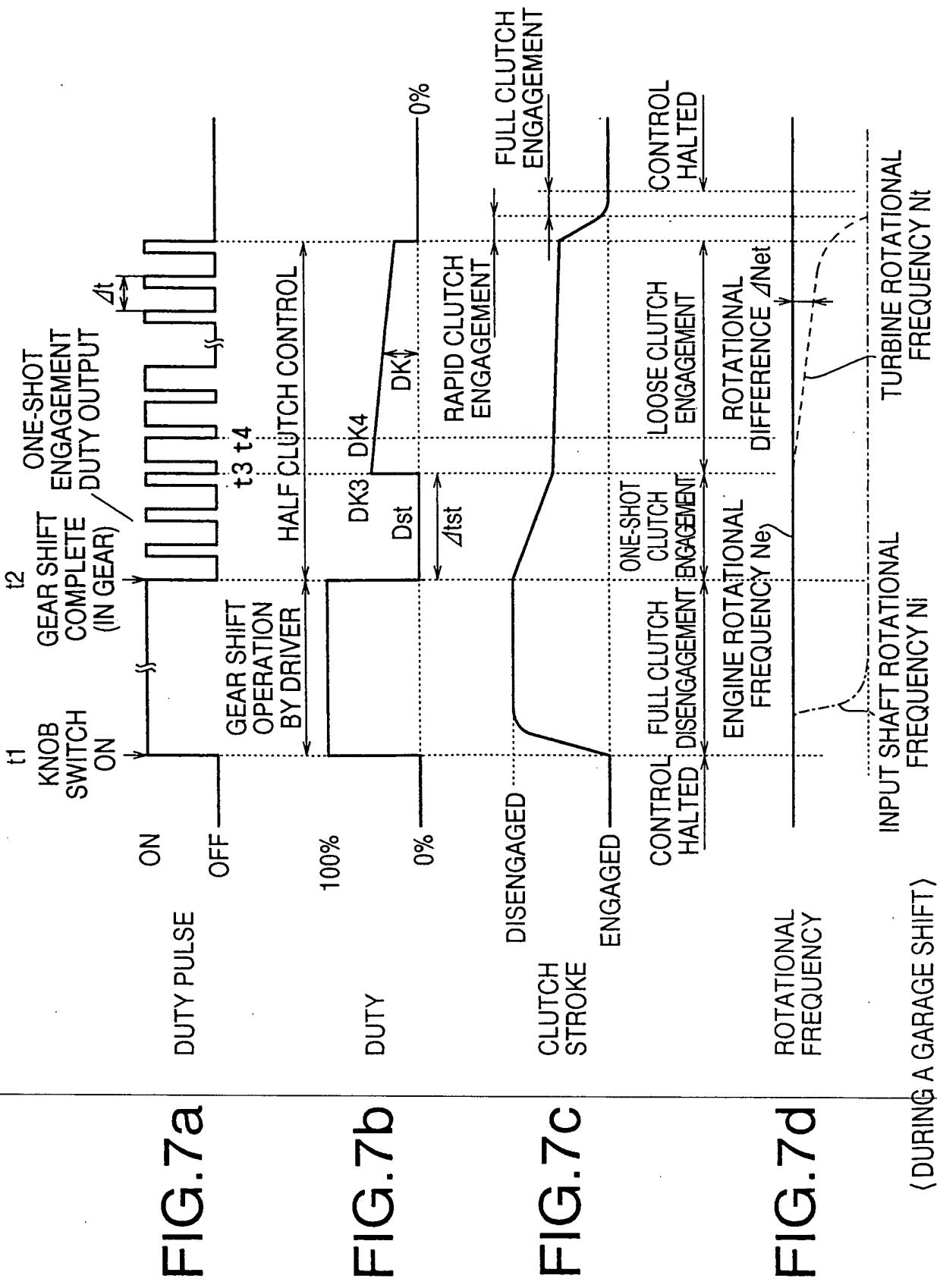
FIG. 5c

FIG. 5d

(DURING AN UPSHIFT)

**FIG. 6a****FIG. 6b****FIG. 6c****FIG. 6d**

&lt; DURING A DOWNSHIFT &gt;



**FIG. 8** $\Delta N$ 

DS	160rpm	320rpm	480rpm	640rpm	800rpm	960rpm	1120rpm	1280rpm
R GEAR	0005(H)	0030(H)	0040(H)	0050(H)	0060(H)	0070(H)	0080(H)	0090(H)
1st SPEED	0005(H)	0030(H)	0030(H)	0030(H)	0040(H)	0040(H)	0040(H)	0050(H)
2nd SPEED	0005(H)	0030(H)	0030(H)	0030(H)	0040(H)	0040(H)	0040(H)	0050(H)
3rd SPEED	0005(H)	0050(H)	0060(H)	0070(H)	0080(H)	0090(H)	00A0(H)	00B0(H)
4th SPEED	0100(H)	0100(H)	0100(H)	0100(H)	0100(H)	0200(H)	0300(H)	0400(H)
5th SPEED	0100(H)	0100(H)	0100(H)	0100(H)	0100(H)	0200(H)	0300(H)	0400(H)
6th SPEED	0100(H)	0100(H)	0100(H)	0100(H)	0100(H)	0200(H)	0300(H)	0400(H)

&lt; DURING AN UPSHIFT &gt;

**FIG. 9** $\Delta N$ 

DS	160rpm	320rpm	480rpm	640rpm	800rpm	960rpm	1120rpm	1280rpm
R GEAR	0005(H)	0008(H)	0008(H)	0008(H)	0010(H)	0020(H)	0030(H)	0030(H)
1st SPEED	0005(H)	0005(H)	0008(H)	0008(H)	0010(H)	0020(H)	0030(H)	0030(H)
2nd SPEED	0005(H)	0005(H)	0008(H)	0008(H)	0010(H)	0020(H)	0030(H)	0030(H)
3rd SPEED	0005(H)	0005(H)	0010(H)	0010(H)	0020(H)	0030(H)	0040(H)	0050(H)
4th SPEED	0005(H)	0800(H)	0100(H)	0200(H)	0100(H)	0100(H)	0080(H)	0080(H)
5th SPEED	0100(H)	0200(H)	0200(H)	0200(H)	0100(H)	0100(H)	0080(H)	0080(H)
6th SPEED	0100(H)	0200(H)	0200(H)	0200(H)	0100(H)	0100(H)	0080(H)	0080(H)

&lt; DURING A DOWNSHIFT &gt;

# FIG.10

$\Delta N$

GEAR STAGE

Ds	0rpm	40rpm	80rpm	120rpm	160rpm	200rpm	240rpm	280rpm
R GEAR	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)
1st SPEED	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)
2nd SPEED	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)
3rd SPEED	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)
4th SPEED	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)
5th SPEED	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)
6th SPEED	0040(H)	0030(H)	0020(H)	0010(H)	0010(H)	0010(H)	00A0(H)	0000(H)

< DURING A GARAGE SHIFT >

FIG.11

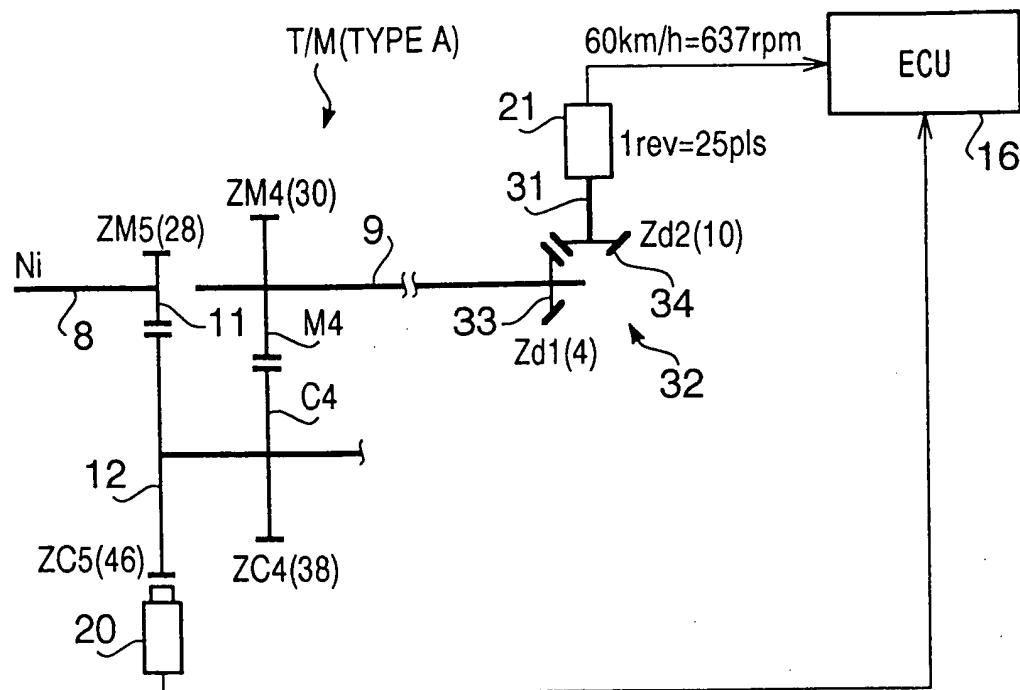
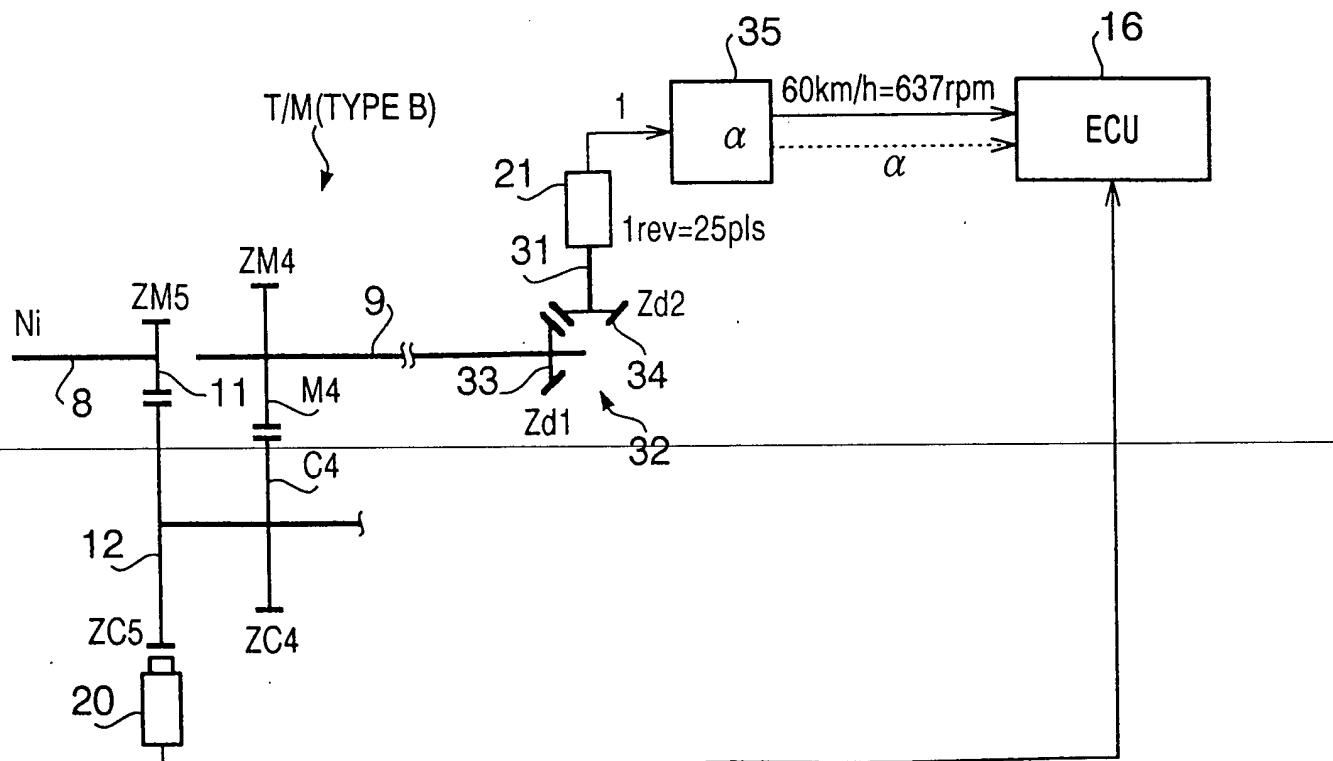


FIG.12



**FIG.13a**

GEAR STAGE	GEAR RATIO (REDUCTION GEAR RATIO)GR	(Nd)
Rev	5.068	69.0
1st	5.315	69.0
2nd	2.908	69.0
3rd	1.558	69.0
4th	1.000	70.0
5th	0.721	69.0

**FIG.13b**

PTM
354.0
372.0
203.0
109.0
70.0
50.0

FIG.14

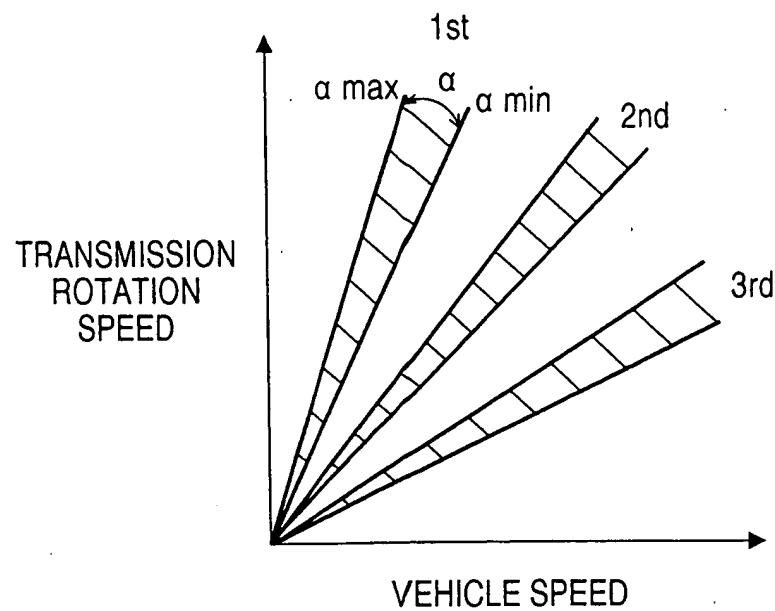


FIG.15

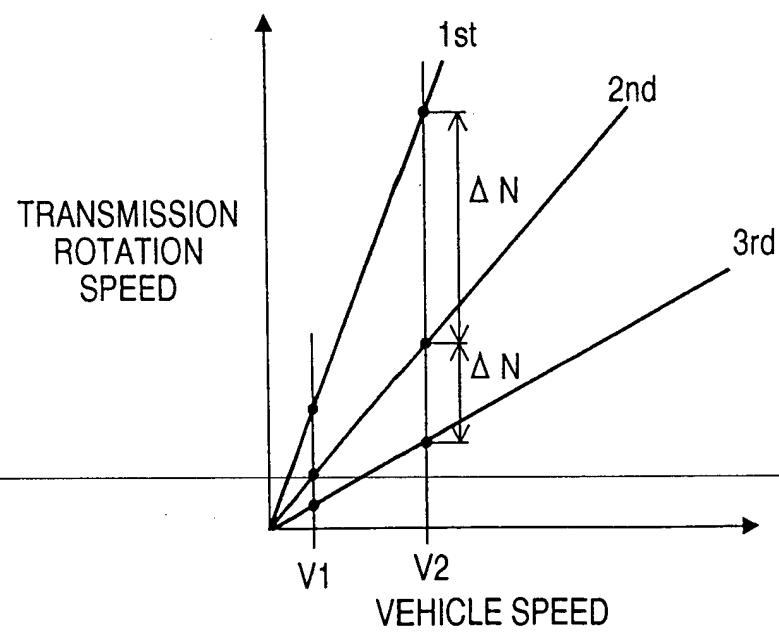
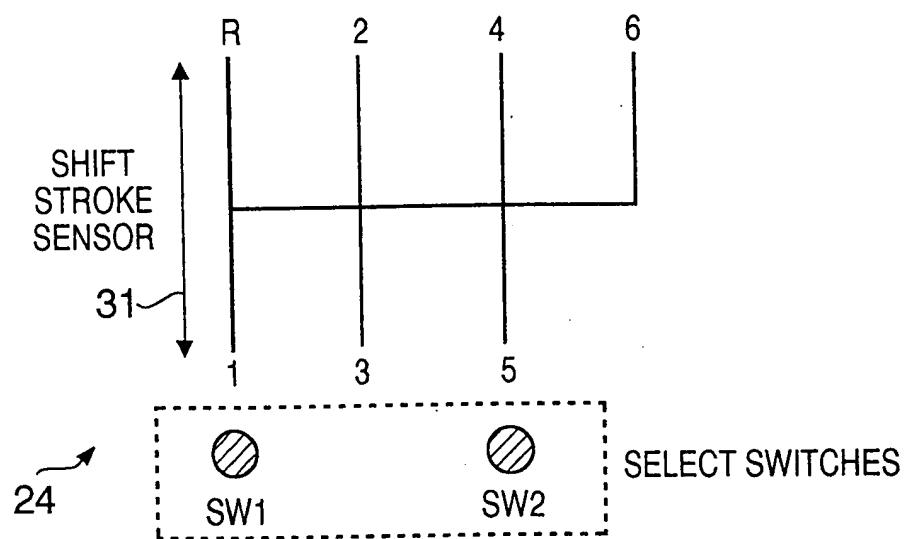


FIG.16



**FIG. 17**

		NUMBER OF TEETH OF DRIVEN GEAR																
GEAR STAGE	REDUCTION GEAR RATIO	10			11			12			13			...			17	
		PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	
Rev	5.701	394.0	69.0	434.0	76.0	474.0	83.0	514.0	90.0	...	...	668.0	117.0	...	...	668.0	117.0	
1st	5.979	413.0	69.0	455.0	76.0	497.0	83.0	539.0	90.0	...	...	706.0	118.0	...	...	706.0	118.0	
2nd	3.434	237.0	69.0	261.0	76.0	286.0	83.0	310.0	90.0	...	...	406.0	118.0	...	...	406.0	118.0	
3rd	1.862	129.0	69.0	142.0	76.0	155.0	83.0	168.0	90.0	...	...	220.0	118.0	...	...	220.0	118.0	
4th	1.297	90.0	69.0	99.0	76.0	108.0	83.0	117.0	90.0	...	...	154.0	118.0	...	...	154.0	118.0	
5th	1.000	70.0	70.0	76.0	76.0	84.0	84.0	90.0	90.0	...	...	118.0	118.0	...	...	118.0	118.0	
6th	0.774	54.0	69.0	59.0	76.0	65.0	83.0	70.0	90.0	...	...	92.0	118.0	...	...	92.0	118.0	
FAIL	Rev	2nd	394.0	114.0	434.0	126.0	474.0	138.0	514.0	149.0	...	...	668.0	194.0	...	...	668.0	194.0
	1ST	3rd	413.0	221.0	455.0	244.0	497.0	266.0	539.0	289.0	...	...	706.0	379.0	...	...	706.0	379.0
	4TH	2nd	90.0	26.0	99.0	28.0	108.0	31.0	117.0	34.0	...	...	154.0	44.0	...	...	154.0	44.0
	5TH	3rd	70.0	37.0	76.0	40.0	84.0	45.0	90.0	48.0	...	...	118.0	63.0	...	...	118.0	63.0
	6TH	2nd	54.0	15.0	59.0	17.0	65.0	18.0	70.0	20.0	...	...	92.0	26.0	...	...	92.0	26.0

FIG. 18

		NUMBER OF TEETH OF DRIVEN GEAR																
GEAR STAGE	REDUCTION GEAR RATIO	10			11			12			13			...			17	
		PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	PTM	Nd	
Rev	5.068	354.0	69.0	390.0	76.0	425.0	83.0	461.0	90.0	...	...	632.0	117.0	...	...	632.0	117.0	
1st	5.315	372.0	69.0	409.0	76.0	446.0	83.0	483.0	90.0	...	...	632.0	118.0	...	...	632.0	118.0	
2nd	2.908	203.0	69.0	223.0	76.0	244.0	83.0	264.0	90.0	...	...	346.0	118.0	...	...	346.0	118.0	
3rd	1.558	109.0	69.0	119.0	76.0	130.0	83.0	141.0	90.0	...	...	185.0	118.0	...	...	185.0	118.0	
4th	1.000	70.0	70.0	77.0	77.0	84.0	84.0	91.0	91.0	...	...	119.0	118.0	...	...	119.0	118.0	
5th	0.721	50.0	69.0	76.0	76.0	80.0	83.0	85.0	90.0	...	...	85.0	118.0	...	...	85.0	118.0	
6th										...	...							
FAIL	Rev	2nd	354.0	121.0	390.0	134.0	425.0	146.0	461.0	158.0	...	...	603.0	207.0	...	...	603.0	207.0
	1ST	3rd	372.0	238.0	409.0	255.0	446.0	255.0	483.0	255.0	...	...	632.0	255.0	...	...	632.0	255.0
	4TH	2nd	70.0	24.0	77.0	26.0	84.0	28.0	91.0	31.0	...	...	119.0	40.0	...	...	119.0	40.0
	5TH	3rd	50.0	32.0	55.0	35.0	60.0	38.0	65.0	41.0	...	...	85.0	54.0	...	...	85.0	54.0

FIG.19

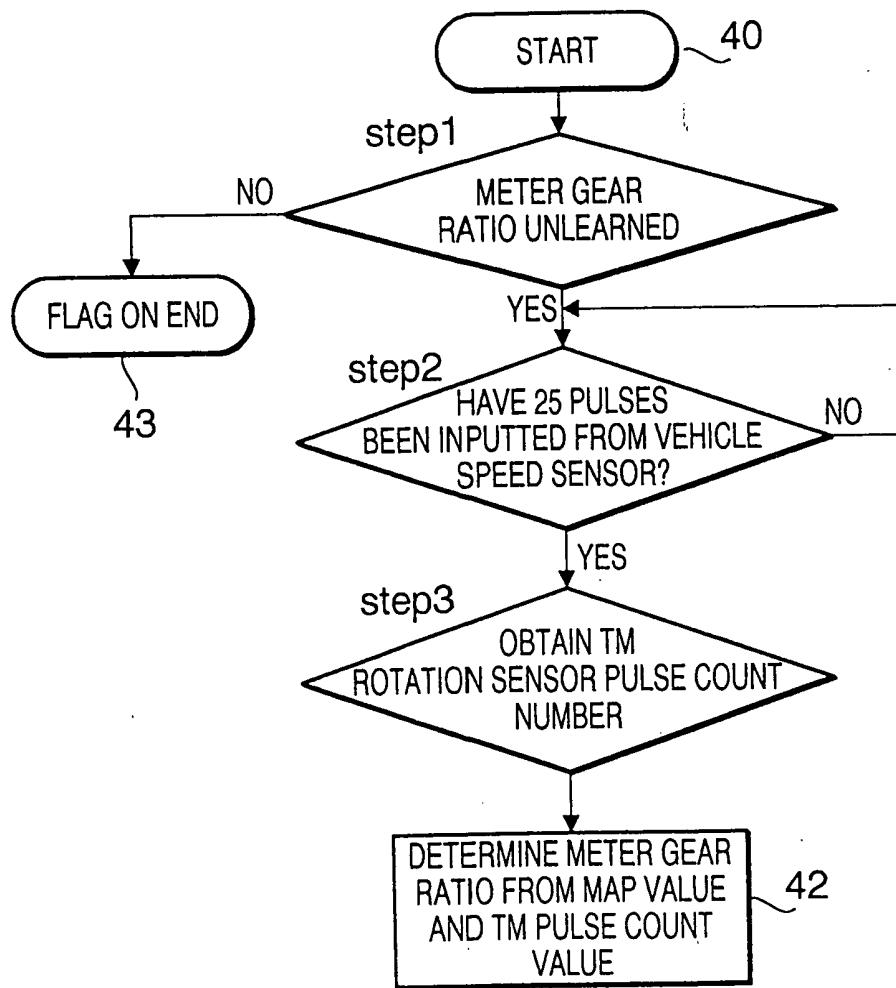


FIG.20

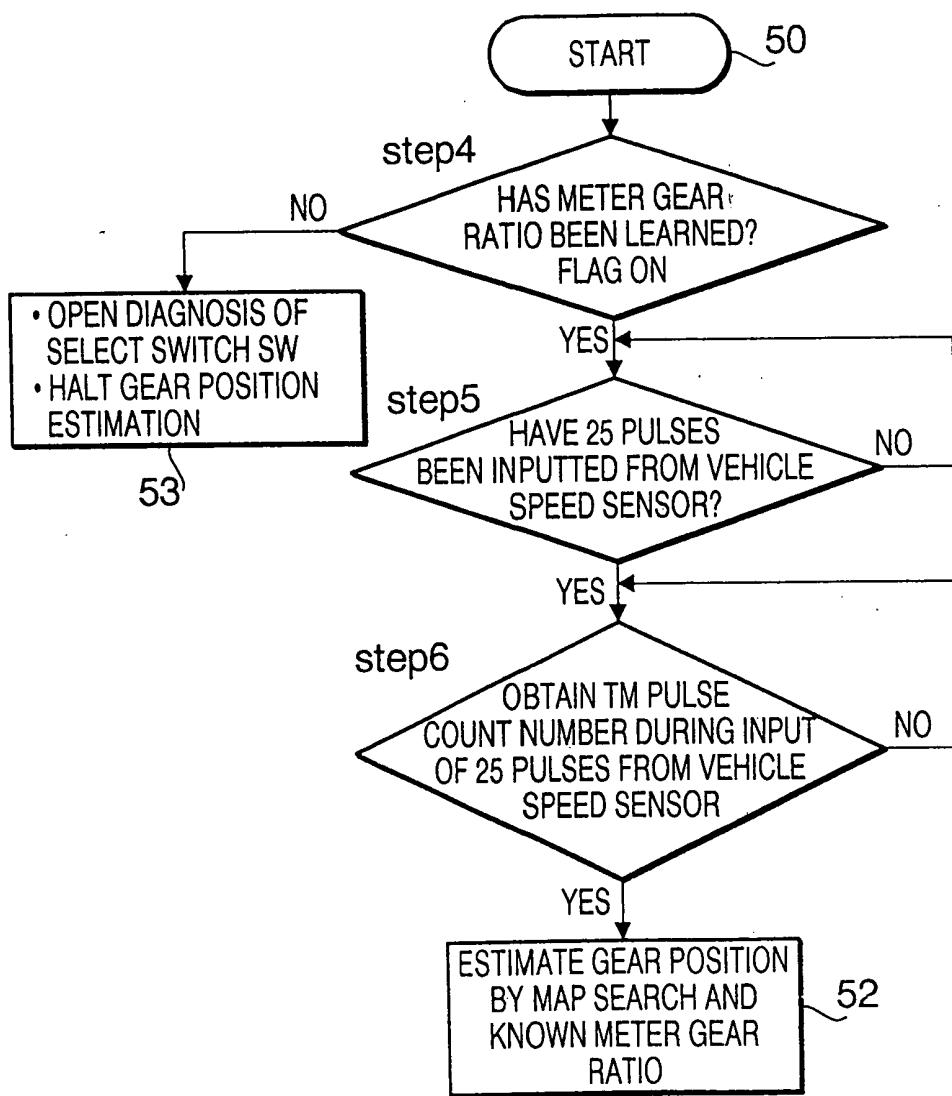


FIG.21

Z	Dri(5th)	4th	3rd	2nd	1st	Rev	6th
TM TYPE \	M C	M C	M C	M C	M C	M C	M C
C TYPE	ZM5 ZC5	ZM4 ZC4	ZM3 ZMC	ZM2 ZC2	ZM1 ZC1	ZMR ZCR	ZM6 ZC6
D TYPE	ZM5 ZC5	ZM4 ZC4	ZM3' ZC3'	ZM2 ZC2	ZM1 ZC1	ZMR ZC5	ZM6' ZC6'

FIG.22

